

Title (en)
Toner and method for the production thereof

Title (de)
Toner und Verfahren zu dessen Herstellung

Title (fr)
Révélateur électrophotographique et procédé pour sa fabrication

Publication
EP 1336902 A1 20030820 (EN)

Application
EP 03003144 A 20030213

Priority
US 7480102 A 20020213

Abstract (en)
A toner includes a resin, colorant, and a silicate component bound to the toner. The silicate component can be a water-soluble cationic complex of at least one of tetraalkylammonium and tetraalkylphosphonium. A method for making the toner includes the surface treatment of the toner with a water-soluble silicate.

IPC 1-7
G03G 9/097

IPC 8 full level
G03G 9/087 (2006.01); **G03G 9/097** (2006.01)

CPC (source: EP US)
G03G 9/09725 (2013.01 - EP US); **G03G 9/09741** (2013.01 - EP US)

Citation (applicant)
• JP H1195480 A 19990409 - TOSHIBA CORP
• US 4824754 A 19890425 - MIKAMI TAKESHI [JP]
• JP S58184950 A 19831028 - CANON KK
• EP 0600659 A1 19940608 - XEROX CORP [US]

Citation (search report)
• [X] US 4824754 A 19890425 - MIKAMI TAKESHI [JP]
• [A] EP 0600659 A1 19940608 - XEROX CORP [US]
• [X] DATABASE WPI Section Ch Week 198349, Derwent World Patents Index; Class E31, AN 1983-835841, XP002240929
• [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 09 30 July 1999 (1999-07-30)
• [A] DATABASE WPI Section Ch Week 198321, Derwent World Patents Index; Class E05, AN 1983-50736k, XP002240930
• [A] DATABASE WPI Section Ch Week 197731, Derwent World Patents Index; Class A04, AN 1977-54643y, XP002240931

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1336902 A1 20030820; EP 1336902 B1 20170419; JP 2003241430 A 20030827; JP 4167910 B2 20081022; US 6613489 B1 20030902

DOCDB simple family (application)
EP 03003144 A 20030213; JP 2003033934 A 20030212; US 7480102 A 20020213